

Title (en)  
Benzochromene derivatives

Title (de)  
Benzochromenderivate

Title (fr)  
Dérivés de benzochromene

Publication  
**EP 1963298 A2 20080903 (DE)**

Application  
**EP 06818979 A 20061205**

Priority  
• EP 2006011654 W 20061205  
• DE 102005062100 A 20051222

Abstract (en)  
[origin: US7824745B2] The present invention relates to benzochromene derivatives of the formula I where the various parameters have the meaning indicated in the text, and to liquid-crystal media which comprise these compounds, and to the use of the media in electro-optical displays, in particular in VAN-LCDs, and to the use of the compounds and physiologically acceptable derivatives thereof as therapeutic active ingredients.

IPC 8 full level  
**C07D 311/80** (2006.01); **C09K 19/34** (2006.01)

CPC (source: EP KR US)  
**A61K 31/35** (2013.01 - KR); **A61P 1/00** (2018.01 - EP); **A61P 1/04** (2018.01 - EP); **A61P 1/06** (2018.01 - EP); **A61P 1/12** (2018.01 - EP); **A61P 3/00** (2018.01 - EP); **A61P 9/00** (2018.01 - EP); **A61P 9/10** (2018.01 - EP); **A61P 11/06** (2018.01 - EP); **A61P 13/06** (2018.01 - EP); **A61P 25/00** (2018.01 - EP); **A61P 25/04** (2018.01 - EP); **A61P 25/08** (2018.01 - EP); **A61P 25/16** (2018.01 - EP); **A61P 25/22** (2018.01 - EP); **A61P 25/24** (2018.01 - EP); **A61P 25/28** (2018.01 - EP); **A61P 27/06** (2018.01 - EP); **A61P 29/00** (2018.01 - EP); **A61P 43/00** (2018.01 - EP); **C07D 311/80** (2013.01 - EP KR US); **C09K 19/3402** (2013.01 - EP US); **C09K 2019/327** (2013.01 - EP US); **C09K 2019/3425** (2013.01 - EP US); **C09K 2323/00** (2020.08 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007079840 A2 20070719; WO 2007079840 A3 20070913; WO 2007079840 A9 20120712**; AT E531703 T1 20111115;  
CN 101346366 A 20090114; CN 101346366 B 20121121; EP 1963298 A2 20080903; EP 1963298 B1 20111102; JP 2009521418 A 20090604;  
JP 2013129657 A 20130704; JP 5415079 B2 20140212; JP 5889810 B2 20160322; KR 101417137 B1 20140708; KR 20080081983 A 20080910;  
TW 200728295 A 20070801; TW I427074 B 20140221; US 2009023802 A1 20090122; US 7824745 B2 20101102

DOCDB simple family (application)  
**EP 2006011654 W 20061205**; AT 06818979 T 20061205; CN 200680048619 A 20061205; EP 06818979 A 20061205;  
JP 2008546180 A 20061205; JP 2013010960 A 20130124; KR 20087018046 A 20061205; TW 95148099 A 20061221; US 9782706 A 20061205